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功能:求插值三维曲线数据点的幂基参数多项式系数输入参数:DataPointx, DataPointy, DataPointz-依次是数据点的x, y, z分量。输入参数:m_Cx, m_Cy, m_Cz-依次是幂基参数多项式系数矢量的x, y, z分量。
Void Init3DCurveC(int n, CArray<double, double> &UV, CArray<double, double> &DataPointx, CArray<double, double> &DataPointy, CArray<double, double> &DataPointz,
                                            CArray (double, double) &Cx,
CArray (double, double) &Cy
CArray (double, double & Cz)
             CArray < CArray < double, double > CArray < double, double > \& > AA; CArray < double, double > tx, ty, tz; \\
             UV. SetSize(n);
             for (int i=0; i < n; i++)
                         tx. Add(double(DataPointx[i]));
ty. Add(double(DataPointy[i]));
                         tz. Add (double (DataPointz[i]));
            AA. SetSize(n);
            for (i=0; i < n; i++)
Cx. SetSize(n);
                                                  AA[i]. SetSize(n):
            Cy. SetSize(n);
            Cz. SetSize(n);
            for (i=0; i < n; i++)
                         double temp;
                         for (int j=0; j < n; j++)
                                      temp=1.0;
for(int_1=0;1<j;1++)
                                                                         temp=temp*UV[i];
                                     AA[i][j]=temp;
            int ch1=0;
             for (int tt=0;tt < n-1;tt++)
                         double d=AA[tt][tt];
                         bool n_move=false;
                         for (int j=tt+1; j<n; j++)
                                      if(fabs(d) \langle fabs(AA[j][tt]))
                                                  d=AA[j][tt];
                                                  chl=j;
                                                  n_move=true;
                         double tem1, tem2, tmpx, tmpy, tmpz;
                         if (n_move)
                                      for(int mm=tt;mm<n;mm++)</pre>
                                                  tem1=AA[tt][mm];
tem2=AA[ch1][mm];
                                                  AA[tt][mm]=tem2;
AA[ch1][mm]=tem1;
                                     tmpx=tx[tt], tmpy=ty[tt], tmpz=tz[tt];
tx[tt]=tx[ch1], ty[tt]=ty[ch1], tz[tt]=tz[ch1];
tx[ch1]=tmpx, ty[ch1]=tmpy, tz[ch1]=tmpz;
                         for (j=tt+1; j < n; j++)
                                     double l=AA[j][tt]/AA[tt][tt];
tx[j]=tx[j]-1*tx[tt];
ty[j]=ty[j]-1*ty[tt];
tz[j]=tz[j]-1*tz[tt];
                                     Cx[n-1]=tx[n-1]/AA[n-1][n-1];

Cy[n-1]=ty[n-1]/AA[n-1][n-1];
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Init3DCurveC.txt
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